

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	570	((((detect\$4 or check\$3) near5 (error\$1 or fault\$1 or fail\$4 or defect or anomalies)))) near15 (CAM or "content addressable memory")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 14:04
L2	11	(((((detect\$4 or check\$3) near5 (error\$1 or fault\$1 or fail\$4 or defect or anomalies)))) near15 (CAM or "content addressable memory")) and parity and ("protection word" or CRC or "cyclic redundancy check")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 14:07
L3	7	(((((detect\$4 or check\$3) near5 (error\$1 or fault\$1 or fail\$4 or defect or anomalies)))) near15 (CAM or "content addressable memory")) and parity and ("protection word" or CRC or "cyclic redundancy check") and key	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 14:07
L4	6	(((((detect\$4 or check\$3) near5 (error\$1 or fault\$1 or fail\$4 or defect or anomalies)))) near15 (CAM or "content addressable memory")) and parity and ("protection word" or CRC or "cyclic redundancy check") and comparand	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 14:08
L5	6	(((((detect\$4 or check\$3) near5 (error\$1 or fault\$1 or fail\$4 or defect or anomalies)))) same (CAM or "content addressable memory")) and parity and ("protection word" or CRC or "cyclic redundancy check") and comparand	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 14:08
L6	6	(((((detect\$4 or check\$3) near5 (error\$1 or fault\$1 or fail\$4 or defect or anomalies)))) and (CAM or "content addressable memory")) and parity and ("protection word" or CRC or "cyclic redundancy check") and comparand	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 14:09

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L7	6	(((detect\$4 or check\$3) near10 (error\$1 or fault\$1 or fail\$4 or defect or anomalies))) and (CAM or "content addressable memory")) and parity and ("protection word" or CRC or "cyclic redundancy check") and comparand	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 14:09
L8	285	(((detect\$4 or check\$3) near10 (error\$1 or fault\$1 or fail\$4 or defect or anomalies))) and (CAM or "content addressable memory")) and parity and ("protection word" or CRC or "cyclic redundancy check")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 14:10
L9	22	(((detect\$4 or check\$3) near10 (error\$1 or fault\$1 or fail\$4 or defect or anomalies))) and (CAM or "content addressable memory")) and ((parity same ("protection word" or CRC or "cyclic redundancy check"))) same (compar\$5 or comput\$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 14:16
L10	5	(((detect\$4 or check\$3) near10 (error\$1 or fault\$1 or fail\$4 or defect or anomalies))) and (CAM or "content addressable memory")) and ((parity same ("protection word" or CRC or "cyclic redundancy check"))) same (compar\$5 or comput\$5)) and key	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 15:00
L12	7	(((detect\$4 or check\$3) near10 (error\$1 or fault\$1 or fail\$4 or defect or anomalies))) same (CAM or "content addressable memory") near3 module\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 15:07
L13	9	((CAM or "content addressable memory") near3 module\$1) and (parity near3 generat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 15:04

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L14	4	driediger-steven.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 15:08
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## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	((((CAM or (content adj addressable adj memory))) near3 module\$1) and "key-based parity" and "key-based protection" and comparand).clm.	US-PGPUB	OR	OFF	2007/06/22 15:16
L2	1	((((CAM or (content adj addressable adj memory))) near3 module\$1) and "key-based parity" and "key-based protection" and compar\$4).clm.	US-PGPUB	OR	OFF	2007/06/22 15:16

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## » Key

IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

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- ☐ 1. **The advantages and challenges of machine fault detection using artificial neural networks and fuzzy logic technologies**  
 Mo-Yuen Chow; Goode, P.V.;  
Circuits and Systems, 1993. Proceedings of the 36th Midwest Symposium on  
 16-18 Aug. 1993 Page(s):708 - 711 vol.1  
 Digital Object Identifier 10.1109/MWSCAS.1993.342948  
[AbstractPlus](#) | Full Text: [PDF](#)(404 KB) IEEE CNF  
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- ☐ 2. **Mitigating soft errors in highly associative cache with CAM-based tag**  
 Hung, L.D.; Goshima, M.; Sakai, S.;  
Computer Design: VLSI in Computers and Processors, 2005. ICCD 2005. Proceedings. IEEE International Conference on  
 2-5 Oct. 2005 Page(s):342 - 347  
 Digital Object Identifier 10.1109/ICCD.2005.76  
[AbstractPlus](#) | Full Text: [PDF](#)(352 KB) IEEE CNF  
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- ☐ 3. **200MHz/200MSPS 3.2W at 1.5V Vdd, 9.4Mbits ternary CAM with new charge injection match detect circuits and bank selection scheme**  
 Kasai, G.; Takarabe, Y.; Furumi, K.; Yoneda, M.;  
Custom Integrated Circuits Conference, 2003. Proceedings of the IEEE 2003  
 21-24 Sept. 2003 Page(s):387 - 390  
 Digital Object Identifier 10.1109/CICC.2003.1249424  
[AbstractPlus](#) | Full Text: [PDF](#)(341 KB) IEEE CNF  
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- ☐ 4. **Bitwise optimised CAM for network intrusion detection systems**  
 Yusuf, S.; Luk, W.;  
Field Programmable Logic and Applications, 2005. International Conference on  
 24-26 Aug. 2005 Page(s):444 - 449  
 Digital Object Identifier 10.1109/FPL.2005.1515762  
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- ☐ **5. Pre-decoded CAMs for efficient and high-speed NIDS pattern matching**  
Sourdis, I.; Pnevmatikatos, D.;  
[Field-Programmable Custom Computing Machines, 2004. FCCM 2004. 12th Annual IEEE Symposium on](#)  
20-23 April 2004 Page(s):258 - 267  
Digital Object Identifier 10.1109/FCCM.2004.46  
[AbstractPlus](#) | Full Text: [PDF\(272 KB\)](#) IEEE CNF  
[Rights and Permissions](#)
  
- ☐ **6. One-transistor-cell multiple-valued CAM for a collision detection VLSI processor**  
Hanyu, T.; Kanagawa, N.; Kameyama, M.;  
[Solid-State Circuits Conference, 1996. Digest of Technical Papers. 43rd ISSCC. 1996 International](#)  
8-10 Feb. 1996 Page(s):264 - 265, 457  
Digital Object Identifier 10.1109/ISSCC.1996.488616  
[AbstractPlus](#) | Full Text: [PDF\(956 KB\)](#) IEEE CNF  
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- ☐ **7. FPGA based network intrusion detection using content addressable memories**  
Long Bu; Chandy, J.A.;  
[Field-Programmable Custom Computing Machines, 2004. FCCM 2004. 12th Annual IEEE Symposium on](#)  
20-23 April 2004 Page(s):316 - 317  
Digital Object Identifier 10.1109/FCCM.2004.35  
[AbstractPlus](#) | Full Text: [PDF\(94 KB\)](#) IEEE CNF  
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- ☐ **8. Testing SRAM-based content addressable memories**  
Zhao, J.; Irrinki, S.; Puri, M.; Lombardi, F.;  
[Computers, IEEE Transactions on](#)  
Volume 49, Issue 10, Oct. 2000 Page(s):1054 - 1063  
Digital Object Identifier 10.1109/12.888041  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(252 KB\)](#) IEEE JNL  
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- ☐ **9. Head gestures recognition**  
Pei Chi Ng; De Silva, L.C.;  
[Image Processing, 2001. Proceedings. 2001 International Conference on](#)  
Volume 3, 7-10 Oct. 2001 Page(s):266 - 269 vol.3  
Digital Object Identifier 10.1109/ICIP.2001.958102  
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- ☐ **10. A real-time CAM-based Hough transform algorithm and its performance evaluation**  
Nakanishi, M.; Ogura, T.;  
[Pattern Recognition, 1996., Proceedings of the 13th International Conference on](#)  
Volume 2, 25-29 Aug. 1996 Page(s):516 - 521 vol.2  
Digital Object Identifier 10.1109/ICPR.1996.546878  
[AbstractPlus](#) | Full Text: [PDF\(492 KB\)](#) IEEE CNF  
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- ☐ **11. A new CAM macro for 622 Mbps ATM cell processing**  
Odagiri, H.; Takahashi, N.; Shidei, T.; Takeshita, K.; Kumagai, Y.;  
[Custom Integrated Circuits Conference, 1996., Proceedings of the IEEE 1996](#)  
5-8 May 1996 Page(s):21 - 24

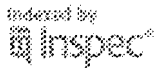
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- ☐ **12. A collision detection multiprocessor for intelligent vehicles using a high-density C**  
Hariyama, M.; Hanyu, T.; Kameyama, M.;  
[Intelligent Vehicles '94 Symposium, Proceedings of the](#)  
24-26 Oct. 1994 Page(s):143 - 148  
Digital Object Identifier 10.1109/IVS.1994.639490  
[AbstractPlus](#) | Full Text: [PDF](#)(412 KB) [IEEE CNF](#)  
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- ☐ **13. Comparison of penetration and scatter effects on defect contrast for GE and Siem**  
**LEHR collimators in myocardial perfusion SPECT-a simulation study**  
Xin He; Frey, E.C.; Links, J.M.; Song, X.; Tsui, B.M.W.;  
[Nuclear Science, IEEE Transactions on](#)  
Volume 52, Issue 5, Part 1, Oct. 2005 Page(s):1359 - 1364  
Digital Object Identifier 10.1109/TNS.2005.858224  
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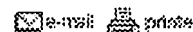
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## » Key

IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

- ☐ 1. Mitigating soft errors in highly associative cache with CAM-based tag  
Hung, L.D.; Goshima, M.; Sakai, S.;  
[Computer Design: VLSI in Computers and Processors, 2005. ICCD 2005. Proceedings.](#)  
[IEEE International Conference on](#)  
2-5 Oct. 2005 Page(s):342 - 347  
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